

Application Serial No.10/587,140
Reply to Office Action of May 28, 2008

PATENT
DOCKETED
CENTRAL FAX CENTER
OCT 27 2008

Amendments to the Claims

The listing of claims presented below replaces all prior versions, and listings, of claims in the application.

Listing of claims:

1-11. (cancelled)

12. (currently amended) A liquid crystal display comprising a ferroelectric liquid crystal sandwiched between two substrates,

wherein an electrode and a photo alignment layer are each successively formed on opposite faces of the two substrates facing each other;

wherein a constituent material of the respective photo alignment layers have a different composition from each other, and

wherein the ferroelectric liquid crystal is a liquid crystal; ~~having, in a phase series thereof, no smectic A phase in a phase series thereof, exhibiting mono-stability and undergoing half-V-shaped driving; and~~

further wherein the ferroelectric liquid crystal forms mono-domain alignment in a liquid crystal layer.

13. (previously presented) The liquid crystal display according to claim 12, wherein the constituent material of the respective photo alignment layer is a photo-isomerizable material comprising a photo-isomerization-reactive compound which generates a photo-isomerization reaction to give anisotropy to the respective photo alignment layer.

14. (previously presented) The liquid crystal display according to claim 13, wherein the photo-isomerization-reactive compound is a compound which has dichroism that different absorptivities are exhibited depending on a polarization direction thereof and further generates the photo-isomerization reaction by a light irradiation.

Application Serial No.10/587,140
Reply to Office Action of May 28, 2008

PATENT
Docket: CU-4971

15. (previously presented) The liquid crystal display according to claim 13, wherein the photo-isomerization reaction is a cis-trans isomerization reaction.

16. (previously presented) The liquid crystal display according to claim 14, wherein the photo-isomerization reaction is a cis-trans isomerization reaction.

17. (previously presented) The liquid crystal display according to claim 13, wherein the photo-isomerization-reactive compound is a compound having, in a molecule thereof, an azobenzene skeleton.

18. (previously presented) The liquid crystal display according to claim 13, wherein the photo-isomerization-reactive compound is a polymerizable monomer having, as its side chain, an azobenzene skeleton.

19. – 23. (cancelled)

24. (previously presented) The liquid crystal display according to claim 13, wherein the ferroelectric liquid crystal is a liquid crystal which constitutes a single phase.

25. (previously presented) The liquid crystal display according to claim 12, wherein the liquid crystal display is driven by an active matrix system using a thin film transistor.

26. (previously presented) The liquid crystal display according to claim 13, wherein the liquid crystal display is driven by an active matrix system using a thin film transistor.

27. (previously presented) The liquid crystal display according to claim 12, wherein the liquid crystal display is displayed by a field sequential color system.

28. (previously presented) The liquid crystal display according to claim 13,

Application Serial No.10/587,140
Reply to Office Action of May 28, 2008

PATENT
Docket: CU-4971

wherein the liquid crystal display is displayed by a field sequential color system.

29. (new) The liquid crystal display according to claim 12, wherein the ferroelectric liquid crystal is a liquid crystal which constitutes a single phase.